

US00D506187S

(12) **United States Design Patent**  
**Wang et al.**

(10) **Patent No.: US D506,187 S**  
(45) **Date of Patent: \*\* Jun. 14, 2005**

(54) **METAL BASE DESIGN FOR SURFACE MOUNT DEVICE LED (LIGHT EMITTING DIODE)**

6,574,254 B1 \* 6/2003 Wang ..... 372/34  
D476,959 S \* 7/2003 Yamada et al. .... D13/182

\* cited by examiner

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(57) **CLAIM**

(\*\*) Term: **14 Years**

I claim the ornamental design for a metal base design for surface mount device LED (lighting emitting diode), as shown and described.

(21) Appl. No.: **29/214,779**

**DESCRIPTION**

(22) Filed: **Oct. 12, 2004**

(51) **LOC (8) Cl. .... 13-03**

(52) **U.S. Cl. .... D13/180**

(58) **Field of Search** ..... D13/180, 182;  
174/52.4; 257/99, 91, 431, 433, 666, 81;  
315/169.2, 169.3; 361/767; 362/249, 582;  
372/34; 438/124

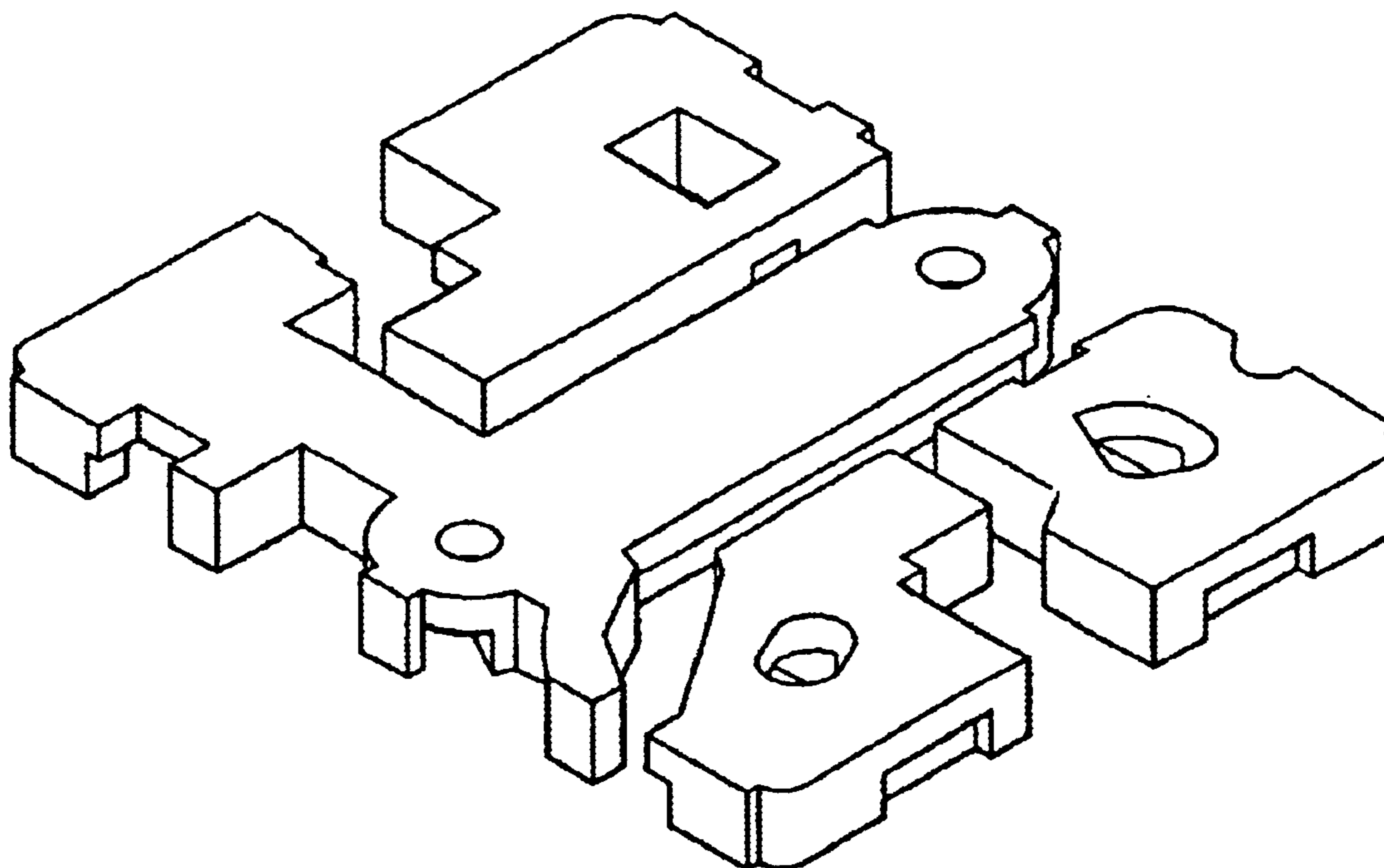
FIG. 1 is a 3D of top view of a metal base design for surface mount device LED showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is a 3D of bottom view thereof; and,  
FIG. 9 is a perspective view thereof in use.  
The broken line showing of the environment is for illustrative purpose only and forms no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,369,551 A \* 11/1994 Gore et al. .... 361/767  
6,300,674 B1 \* 10/2001 Wang ..... 257/666  
6,422,716 B2 \* 7/2002 Henrici et al. .... 362/249

**1 Claim, 6 Drawing Sheets**



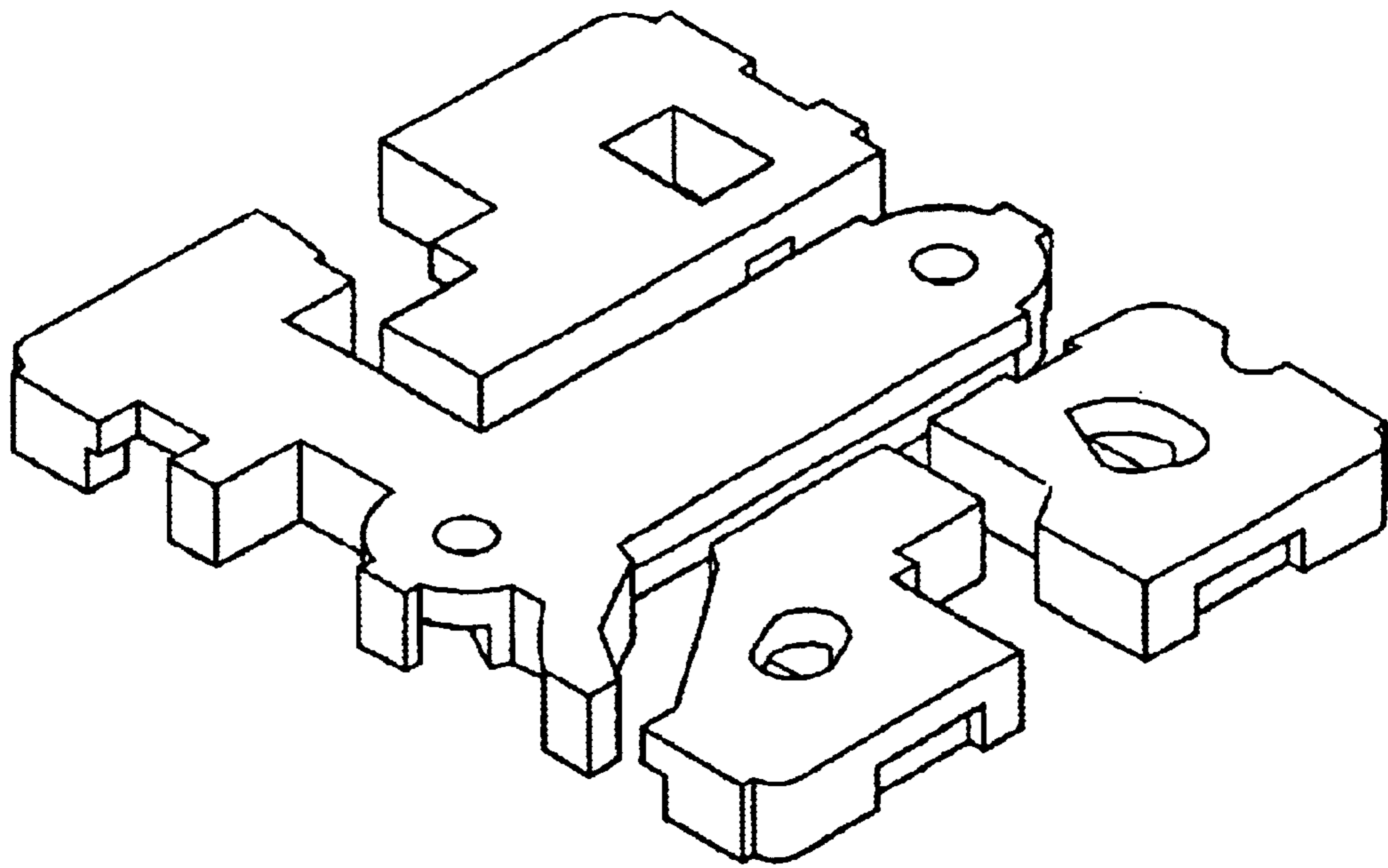


FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5

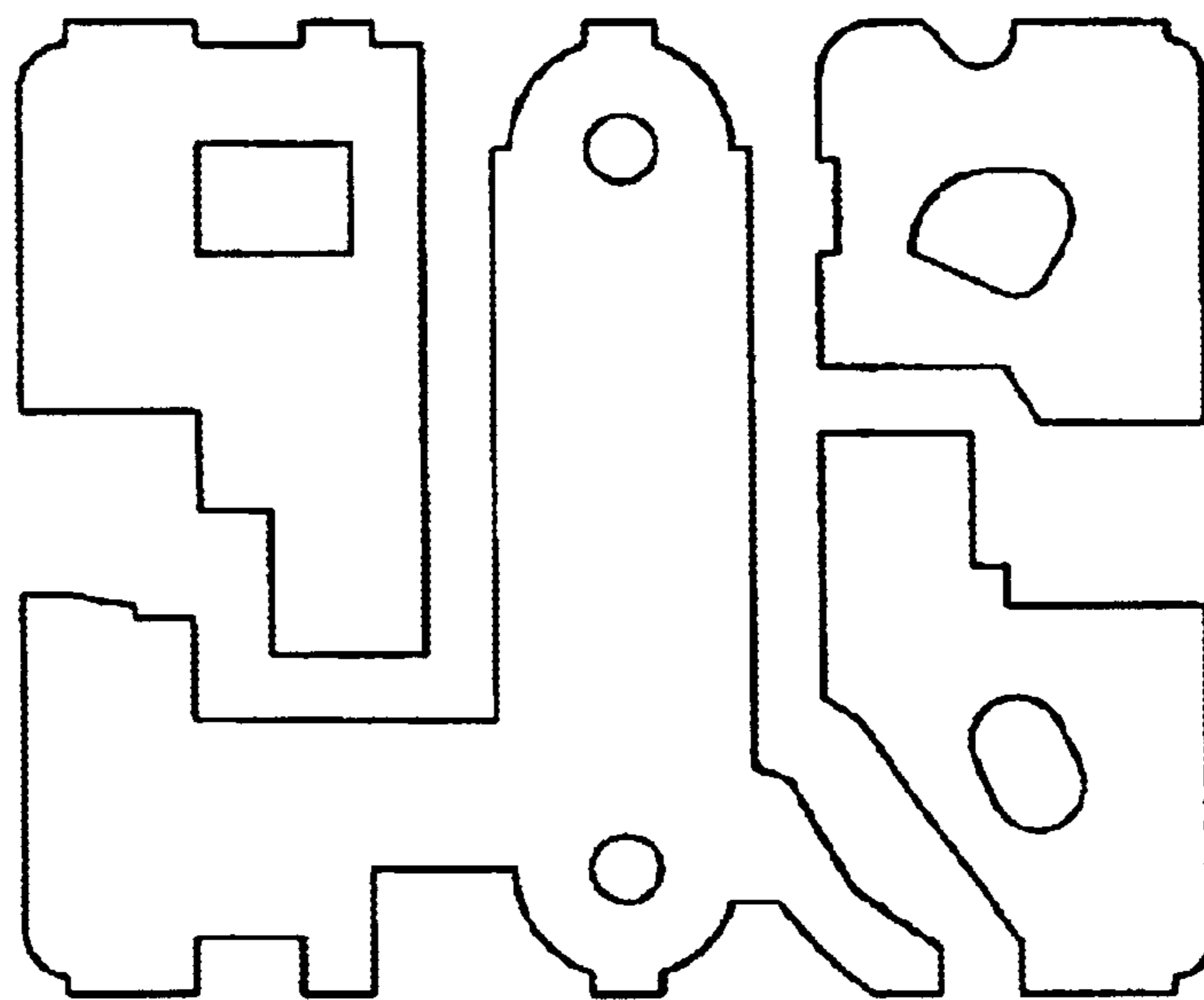


FIG. 6

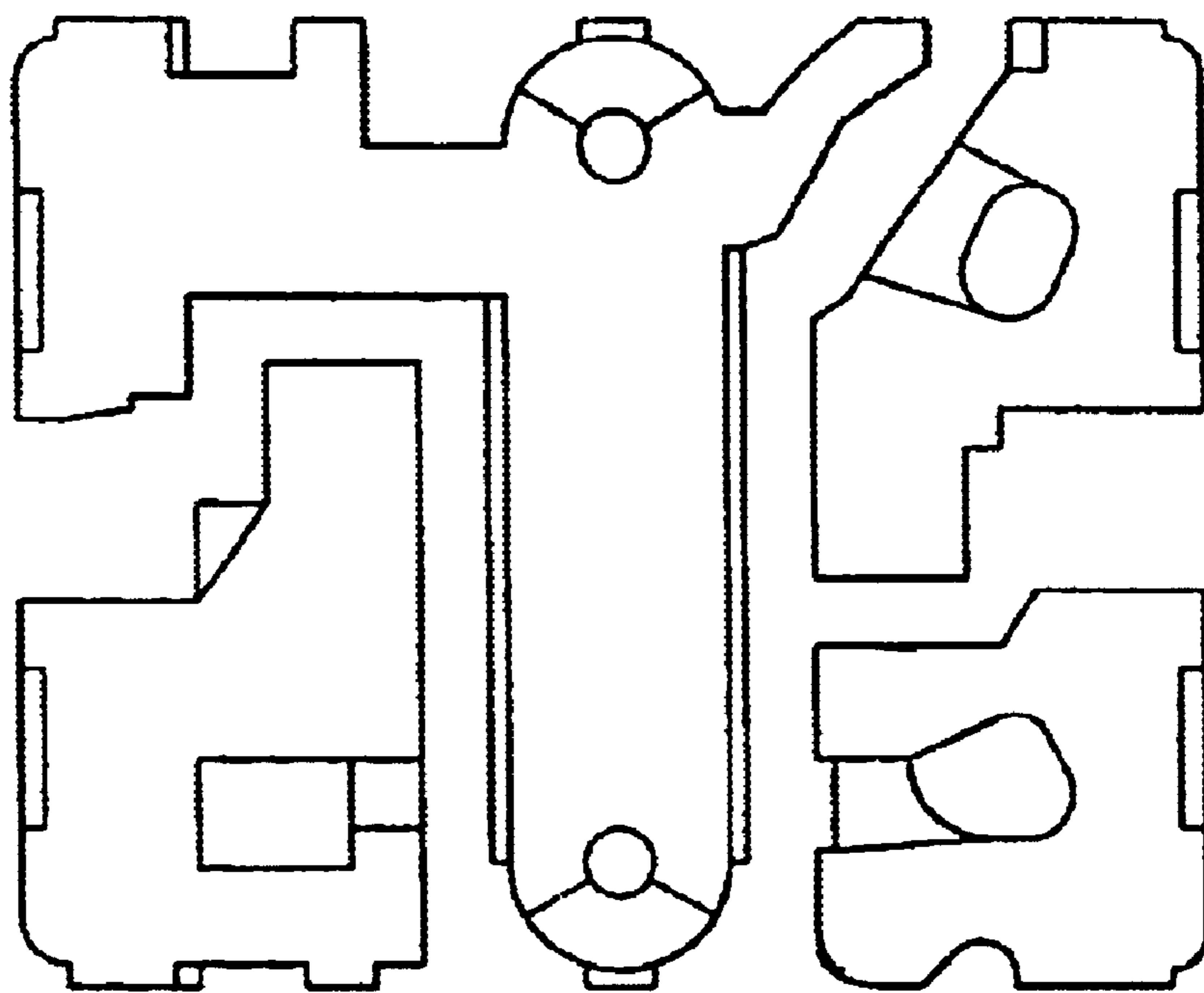


FIG. 7

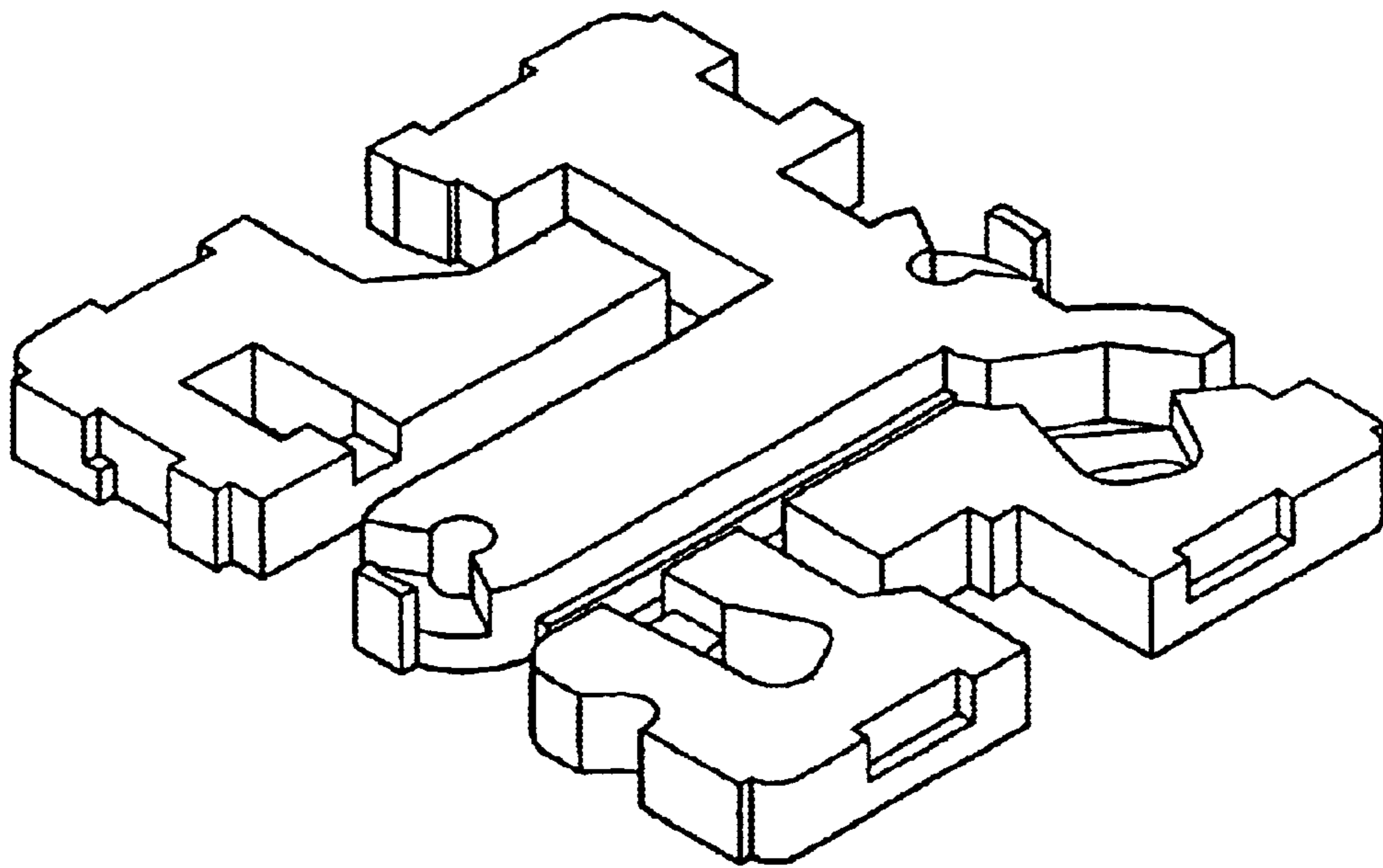


FIG. 8

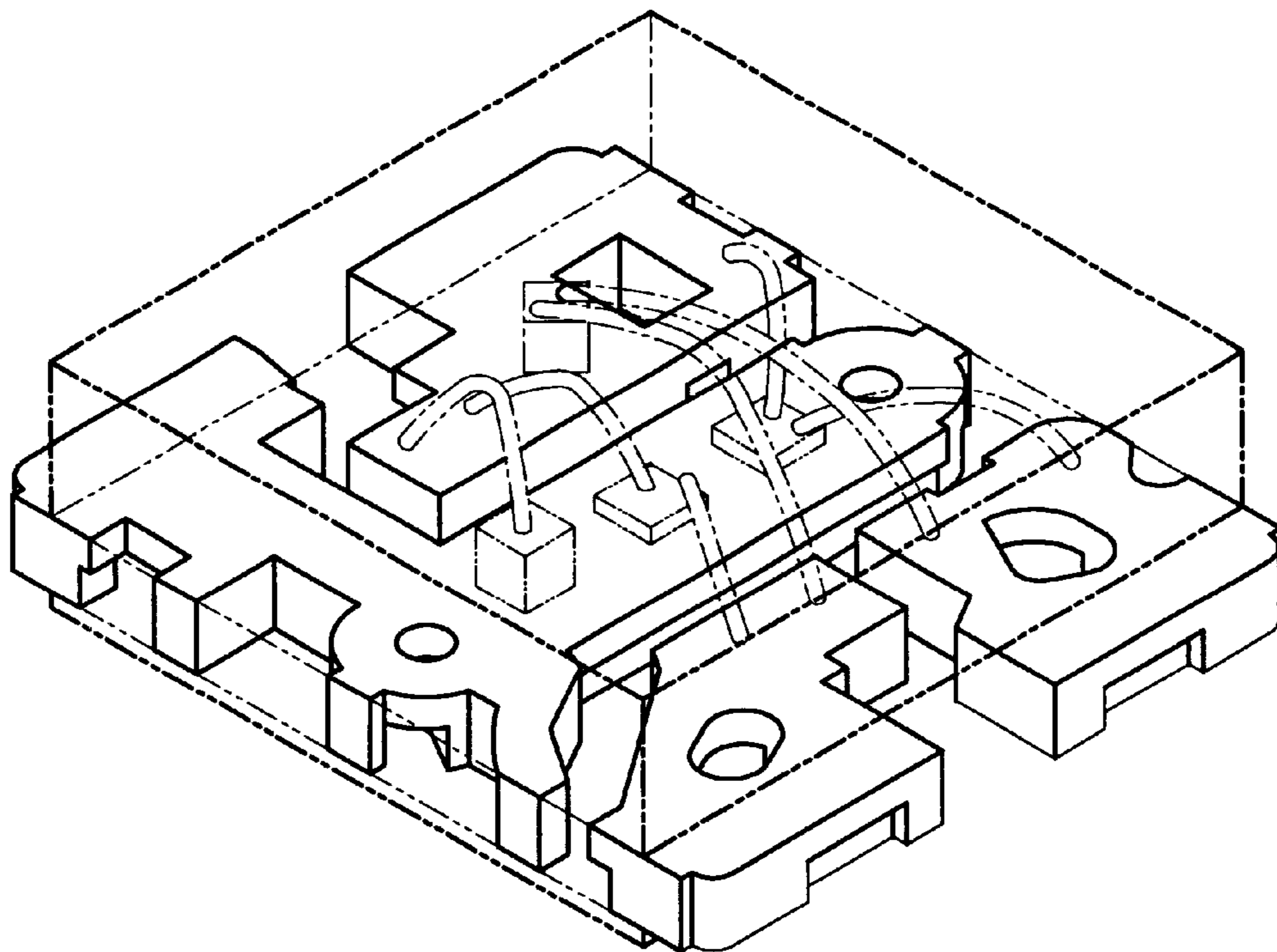


FIG. 9